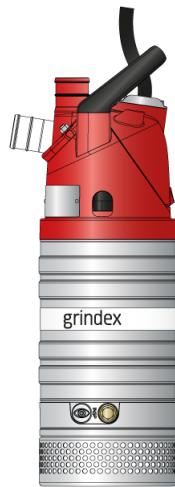




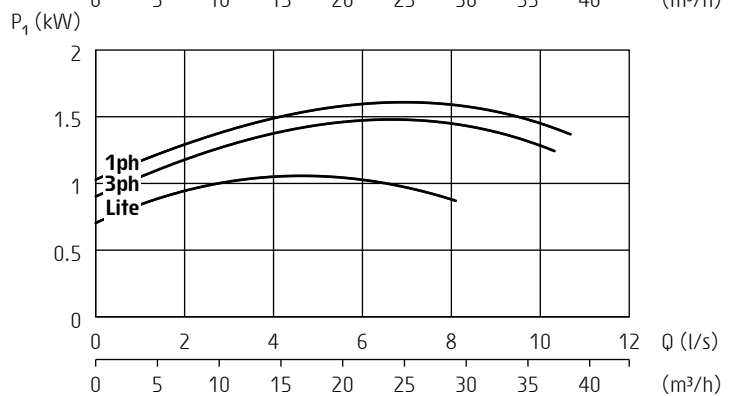
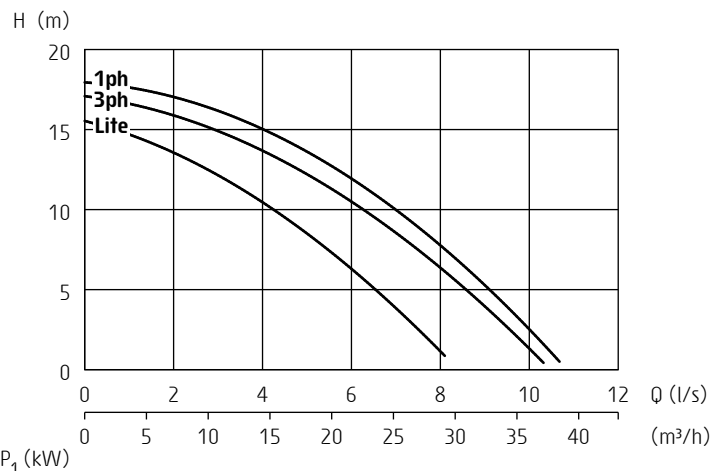
Minex

Electrical submersible drainage pump



| 50 Hz | Lite 1-ph | 1-ph | 3-ph |
|-----------------------------------|--------------|--------------|--------------|
| Discharge connection | 2" | 2" | 2" |
| Rated power P_2 [kW] | 0,85 | 1,4 | 1,2 |
| Max. power consumption P_1 [kW] | 1,1 | 1,8 | 1,6 |
| Shaft speed [r.p.m.] | 2755 | 2870 | 2740 |
| Rated current at 115V | 11 A | - | - |
| Rated current at 230V | 5,1 A | 7,8 A | 4,7 A |
| Rated current at 400V | - | - | 2,6 A |
| Solids passage | 7,5 mm | 7,5 mm | 7,5 mm |
| Height / Diameter (mm) | 616 / 200 mm | 646 / 200 mm | 616 / 200 mm |
| Weight | 21,5 kg | 25 kg | 21,5 kg |

Other voltages on request



ISO 9906/A

Classification

Electrical submersible drainage pump
Protection class: IP 68

Electrical motor

1-phase: Squirrel cage induction motor with start and run capacitor
3-phase: Squirrel cage induction motor
Insulation class: F (IEC 85)

Motor protection

1-phase: Temperature guard with a thermal contact in stator opening temperature 125°C (257°F), air valve
3-phase: Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 125°C (257°F) (= SMART system), air valve

Cable - SubCab

1-phase: 3G1,5mm², 20 m (66 ft) / 14AWG/3, 53 ft
3-phase: 4G1,5mm², 20 m (66 ft) / 14AWG/4, 53 ft

Limitations

Max. submersion depth: 20 m (66 ft)
Max. liquid temperature: 40 °C (104 °F)
Allowed pH range: 5 - 8
Maximum liquid density: 1100 kg/m³ (68 lbs/ft³)

Shaft seals

Cartridge seal: pre-assembled double mechanical seal running in an oil compartment
Material lower seal: *silicon carbide - silicon carbide*
Material upper seal: *tungsten carbide - aluminium oxide*

Bearings

Ball bearings with C3 clearance

Discharge connection

2" hose, ISO-G or NPT

Materials

Casted parts: *Aluminium*
Outer casing: *Stainless steel*
Motor shaft: *Stainless steel*
Impeller: *Hard-Iron™*
Diffusers: *Nitrile rubber*
Screws and nuts: *Stainless steel*
O-rings: *Nitrile rubber*

Accessories

Float switch
Zinc anodes
Low suction collar
Pump raft

Specifications can be changed without notice